PTO/SB/05 (03-01)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

_{Vo.} 1066.0	ľ
Michael Z. Hu	

Meta1 0xide Systems

(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. ER029150885US Mixed							
APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application							
See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231							
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)							
2. Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission							
Specification [Total Pages 14]	(if applicable, all necessary) Computer Readable Form (CRF)							
(preferred arrangement set forth below) Descriptive title of the invention	b. Specification Sequence Listing on:							
 Cross Reference to Related Applications Statement Regarding Fed sponsored R & D 	i. CD-ROM or CD-R (2 copies); or							
 Reference to sequence listing, a table, or a computer program listing appendix 	ii.							
Background of the Invention Brief Summary of the Invention	c. Statements verifying identity of above copies							
 Brief Description of the Drawings (if filed) 	ACCOMPANYING APPLICATION PARTS							
 Detailed Description Claim(s) 	9. Assignment Papers (cover sheet & document(s))							
- Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement Power of Attorney							
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 17]	11. English Translation Document (if applicable)							
5. Oath or Declaration [Total Pages 2]	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations							
a. Newly executed (original or copy)	13. Preliminary Amendment							
Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
i. DELETION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)							
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR	16 Nonpublication Request under 35 U.S.C. 122							
1.63(d)(2) and 1.33(b).	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
6. Application Data Sheet. See 37 CFR 1.76	17. Other:							
18. If a CONTINUING APPLICATION, check appropriate box, and support or in an Application Data Sheet under 37 CFR 1.76:	ply the requisite information below and in a preliminary amendment,							
Continuation Data Sheet under St CFA 1.10.	of prior application No.:							
Prior application information: Examiner:	Group Art Unit:							
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the Box 5b, is considered a part of the disclosure of the accompanying continu	te prior application, from which an oath or declaration is supplied under							
The incorporation can only be relied upon when a portion has been inadver	tently omitted from the submitted application parts.							
19. CORRESPONDE	ENCE ADDRESS							
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Name (Print/Type) Shelley L. Stafford	Registration No. (Attorney/Agent) 38,623							
	Sheller L Stafford Date 07/18/2003							

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EEE TOANGMIT	ГТАІ	Complete if Known								
FEE TRANSMITTAL			Application Number							
for FY 2003		Filing Date								
		First Named Inventor			itor	Michael Z. Hu				
Effective 01/01/2003. Patent fees are subject to ann	iuai revision.	Examiner Name								
Applicant claims small entity status. See 37 CF	R 1.27	Art Unit								
TOTAL AMOUNT OF PAYMENT (\$) 790	.00	Attorney Docket No.			о.	1066.0				
METHOD OF PAYMENT (check all that ap	oply)	FEE CALCULATION (continued)								
Check Credit card Money Other	None 3.	3. ADDITIONAL FEES								
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Deposit Account UT-Battelle, LLC	105	2 50	2052			narge - late provisional filing fee or				
Name The Director is authorized to: (check all that apply)	105	3 130	1053			r sheet English specification				
Charge fee(s) indicated below Credit any over	payments 181	2 2,520	1812 2	2,520	For fili	ing a reque	st for ex parte reexamination			
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FEE CALCULATION	125	1 110	2251	55	Exten	nsion for re	ply within first month			
1. BASIC FILING FEE	125	2 410	2252	205	Exten	nsion for re	ply within second month	-, , , -		
Large Entity Small Entity	125		2253	465	Exten	nsion for re	ply within third month			
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1002 330 2002 165 Design filing fee	140		2401			e of Appea				
1003 520 2003 260 Plant filing fee	1402	2 320 3 280	2402 2403			i a briet in s est for oral	support of an appeal			
1004 750 2004 375 Reissue filing fee 1005 160 2005 80 Provisional filing fee	I	1 1,510					ite a public use proceeding			
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2. EXTRA CLAIM FEES FOR UTILITY AND F	REISSUE 150	1 1,300	2501		- F		(or reissue)			
Extra Claims below Total Claims 11 -20** = 0 X 0 =	Fee Paid 1502	2 470	2502	235	Desig	yn issue fee	;			
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Ciairis ———————————————————————————————————			1460				Commissioner			
Large Entity Small Entity	1607		1807				under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description Code (\$)	1806		1806				formation Disclosure Stmt patent assignment per	40.00		
1202 18 2202 9 Claims in excess of 20	802		8021		prope	rty (times r	number of properties)	40.00		
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1203 280 2203 140 Multiple dependent claim,	if not paid 1810	0 750	2810	375			nal invention to be			
1204 84 2204 42 ** Reissue independent cl over original patent	aims 180	1 750	2801	375		•	FR 1.129(b)) ntinued Examination (RCE)			
1205 18 2205 9 ** Reissue claims in exces	l l		1802		Requ	uest for exp	pedited examination			
<u> </u>	Othe	of a design application Other fee (specify)								
**or number previously paid, if greater, For Reissues, see above Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00										
SUBMITTED BY							(Complete (if applicable)			
Name (Print/Type) Shelley L. Stafford Registration No. (Attorney/Agent) 38.623 Telephone 865.576.7561										
Signature Mallac 1	10-112	Attorney	<u>Agent)</u>				Date 7-18-2003			

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, or to be process) an application. Commerce by 35 U.S.C. 122 and 37 CFK 1.14. This collection is estimated to take 12 minutes to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.